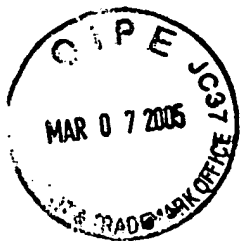


101 666, 678.

CgC



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Charles L. Gray, Jr.
U.S. Patent No.: 6,857,263
Date of Patent: Feb. 22, 2005
Title: Low Emission Diesel Combustion System with Low
Charge-Air Oxygen Concentration Levels and High Fuel
Injection Pressures

Certificate

REQUEST FOR CERTIFICATE OF CORRECTION MAR 14 2005

Pursuant to 37 C.F.R. 1.322(a), the patentees and patentees' assignee hereby

of Correction

request issuance of a Certificate of Correction of Office mistake. The correction requested is to correct the listing of inventors on the patent to list the third inventor: Karl H. Hellman, of Ann Arbor, MI (US). A Certificate of Correction is attached.

In order to allow the Office to expedite the request if desired, attached are copies of documents supporting the request, namely: (i) a copy of applicant's Petition to Correct Inventorship, filed January 16, 2004, and (ii) a copy of the Examiner's response granting the requested correction of inventorship.

Respectfully submitted,

David H. Read, Reg. No. 47,888
U.S. Environmental Protection Agency
National Vehicle and Fuel Emissions Laboratory
2565 Plymouth Road
Ann Arbor, MI 48105
Telephone: (734) 214-4367
Facsimile: (734) 214-4573
E-mail: read.david@epa.gov

MAR 15 2005

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,857,263

DATED : Feb. 22, 2005

INVENTOR(S) : Charles L. Gray, Jr.; David James Haugen

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the listing of inventors for this patent, a third inventor should be added — Karl H. Hellman, Ann Arbor, MI (US).

MAILING ADDRESS OF SENDER:

David H. Read
2565 Plymouth Road
Ann Arbor, MI 48105

PATENT NO. 6,857,263

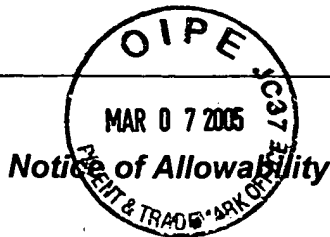
No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

MAR 15 2005



Application No.

10/666,678

Examiner

Willis R. Wolfe, Jr.

Applicant(s)

GRAY ET AL.

Art Unit

3747

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to ____.
2. ☒ The allowed claim(s) is/are 1-55.
3. ☒ The drawings filed on 19 September 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 12/08/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date ____.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

Art Unit: 3747



EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

IN THE SPECIFICATION

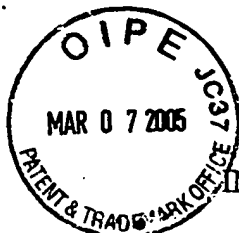
On page 1, line 7, the word "pending" has been changed to -- U.S. Patent No. 6,651,432 --.

Inventorship

In view of the papers filed January 16, 2004, it has been found that this nonprovisional application, as filed, through error and without deceptive intent, improperly set forth the inventorship, and accordingly, this application has been corrected in compliance with 37 CFR 1.48(a). The inventorship of this application has been changed by adding the name Karl H. Hellman as a co-inventor.

The application will be forwarded to the Office of Initial Patent Examination (OIPE) for issuance of a corrected filing receipt, and correction of Office records to reflect the inventorship as corrected.

MAR 15 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor : Charles L. Gray, Jr
Application Number : 10/666,678
Filing Date : September 19, 2003
Invention Title : Low Emission Diesel Combustion System with Low
Charge-Air Oxygen Concentration Levels and High Fuel
Injection Pressures

Examiner Name :
Art Unit : 3748
Attorney Docket : 679-03

Filed.
-1/16/2004.

Granted.
9/24/2004.

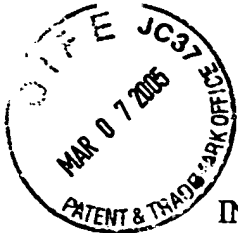
PETITION TO CORRECT INVENTORSHIP

Pursuant to 37 C.F.R. §1.48(a), applicant submits this petition to correct the inventorship in the above-referenced application by adding **Karl H. Hellman** as a co-inventor on the application. The inventive entity set forth in the executed §1.63 Oath or Declaration is in error, omitting Karl H. Hellman as an inventor without any deceptive intention on the part of Mr. Hellman or the other inventors.

In support of this Petition, applicant submits the attached statement from Karl H. Hellman and an executed Oath or Declaration, as required by 37 C.F.R. §1.48(a).

David H. Read, Reg. No. 47,888
U.S. Environmental Protection Agency
National Vehicle and Fuel Emissions Laboratory
2565 Plymouth Road
Ann Arbor, MI 48105
Telephone: (734) 214-4367
Facsimile: (734) 214-4573
E-Mail: read.david@epa.gov

MAR 15 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor : Charles L. Gray, Jr
Application Number : 10/666,678
Filing Date : September 19, 2003
Invention Title : Low Emission Diesel Combustion System with Low
Charge-Air Oxygen Concentration Levels and High Fuel
Injection Pressures

Examiner Name :
Art Unit : 3748
Attorney Docket : 679-03

STATEMENT OF OMITTED INVENTOR KARL H. HELLMAN

IN SUPPORT OF PETITION TO CORRECT INVENTORSHIP

Pursuant to 37 C.F.R. §1.48(a)(2), I, **Karl H. Hellman**, do hereby declare that I am a co-inventor of the above-referenced patent application, that I was erroneously omitted as an inventor in the executed Oath or Declaration for the above-referenced patent application, and that such error in inventorship occurred without any deceptive intention on my part.

I declare the foregoing under penalty of perjury under the laws of the United States of America. This the 18th day of December, 2003.

Karl H. Hellman
Karl H. Hellman

MAR 15 2005

ATD/IO

UNITED STATES

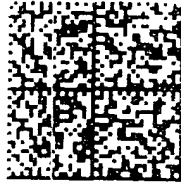
ENVIRONMENTAL PROTECTION AGENCY
NATIONAL VEHICLE AND FUEL EMISSIONS LABORATORY
2565 PLYMOUTH ROAD
ANN ARBOR, MICHIGAN 48105-2498

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